

**AMENDMENTS TO THE ABSTRACT:**

**Please amend the Abstract as follows:**

02  
An optical communication system is provided which is capable of easily calibrating a difference in outputs of ~~each of~~ wavelength multiplexed signals. An optical signal propagates through an optical transmission line and is amplified by an optical amplifier in an optical repeater and is sent as an amplified optical signal to another optical transmission line. A transmission compensating device in the optical repeater, ~~based on a control signal superimposed on the optical signal propagated through the optical transmission line,~~ generates a control light based on a control signal superimposed on the optical signal propagated through the optical transmission line and sends it to the optical transmission line